

TITLE

ELECTRICALLY CONDUCTIVE POLYIMIDE COMPOSITIONS HAVING A
CARBON NANOTUBE FILLER AND METHODS RELATING THERETO

ABSTRACT

5 This invention is directed to polyimide films having a carbon
nanotube filler to provide a surface resistivity in a range from 50
ohm/square to 1.0×10^{15} ohms/square. The electrically conductive
polyimides of the present invention have an excellent balance of properties
relative to conventional polyimides having a conductive filler, due at least in
10 part to the film's water content, degree of imidization and polymer
orientation.